SOUTH PRODUCTION NOTES

December 2, 2013 Morning Shift

BASF EMPLOYEES
151 Last Recordable
170 Last Lost Time

Alumina Gel and building 9 are regulated areas due to Vanadium

#1 MED A-520: Trial is done.

DO NOT THROW AWAY THE INSERTS FROM THE DIE PLATE>>>SAVE IT, AS

IS!

#1 RC / A-520: Trial material finishing up feeding.

Exhaust to Trimer

Midnight shift: No updates. Day shift: No calciner update.

Afternoon shift: finishing up late on 2nd shift. Keep an ey on the oversize.

#2 MED line/ D-0768: On hold. ANY WET MIX GENERATED NEEDS TO BE ADDED BACK INTO THE MIXER. NOTE: there are 5 bags opn the floor that need to be insoected

Midnight Shift Update: Did not run the line – too many bags and calciner not running yet.

Day shift: Hold until calciner running and feeding (too many bags on floor). Also, 5 bags of dried material are partially contaminate and are on hold (they are next to the 4 drums of ontaminated 1795). The bags will be reviewed on Tuesday and a plan to deal with them (hand screening) will be developed.

Afternoon shift: No change.

#2 RC/ D-0768: The dam has been installed and we need to put this calciner back together and get it started. The screener needs to be changed over.

Afternoon shift: The dam has been installed and we need to put this calciner back together and get it started. Screener needs to be changed over.

Exhaust to CTO for NOx control

Tank 7 / Empty and Clean: Tank is rinsed and toted off.

Midnight Shift: No change.

Day shift:

Afternoon shift: No change.

Old Pfaudler D-0756: The raws should be in dock #3. We can get started on

midnights.

Midnight shift Update: No update. Waiting for additional instructions.

Day shift: After raws arrive, set up and plan to make first batches 11-7 shift.

Afternoon shift: The raws have arrived in dock #3.

#3 MED line / D-1794 NAQ: Need to perform an inspection and rough cleaning of the MED line, and vacuum the spilled material in/on/around the dryer. Also, start staging raws for the powder room. We will be restarting this line, either late Tuesday or by Wednesday.

Day shift: Prep instructons received late 7-3 (see above). Use OT late Monday/early Tuesday and have MED line ready.

Afternoon shift: No change.

#3 RC / D-1795 NAQ: Completed. NOTE: There are 4 drums of contaminated undried material – these drums are not to be fed and will be

Exhaust to CTO

Midnight Shift Update: All bags have been fed as instructed. Material will continue to exit calciner into first shift. Additionally, material in the #3 mixer will have to be removed – dryed up – before re-starting line.

Day shift: Trying to bring temps down...work note written for temp controller issues on calciner (can't bring temps down).

Afternoon shift: No change. The calciner temps are still not coming down. 3 more burners were shut off.

#4 RC / D-5206: On hold. Building feed.

Exhaust to 4 DC

Midnight Shift Update: Continue to feed. We will catch up to the national dryer at the end of midnight shift or beginning of first shift.

Day shift: On hold...building

Afternoon shift: On hold. Building feed.

National Dryer / 5206: Continue to feed as batches come from the abbe.

Midnight Shift Update: Continue to feed as material is available. Abbe will not run on first shift – contractors.

Day shift: Worked on clearing National Dryer feed hopper (too wet). Need this clear to continue feeding...will need to have afternoon operator work on this and empty totes and buggies before running Abbe.

Afternoon shift: Continued poking wet material through. Switched totes to dryer material and adding a few shovels full of the wet material into each batch to be fed to the dryer.

Abbe Blender / D-5206: Continue to run through the weekend.

Midnight Shift Update: Continued to run.

Day shift: Hold for contractors...willneed National Dryer emptied and totes/buggies emptied before running Abbe.

Afternoon shift: Was on hold due to wet batches on the National. Start back up on midnight shift.

#5 RC / 1520: Calciner is running. Keep in mind that this is a regulated area. Wear your respirators — Vanadium.

Exhaust to Trimer

Midnight Shift Update: Continued to run without issues.

Day shift: Continue

Afternoon shift: Continued on.

<u>HC-11 Tanks / 1520:</u> Continue making solution batches in 4 tank, and transfer to 6 tank when ready.

Midnight Shift Update: Making a new solution tank in T-4.

Day shift: Tank 4 has solution, waiting for lab results. Some material left in tank 6.

Afternoon shift: No change.

<u>PK Blender / 1520:</u> DOWN! NO RAWS!!!! Remember this area is now regulated due to Vanadium. PRODUCTION UPDATE: planning to run through Wednesday, then need down Wednesdy night for thorough cleaning (inspection/repairs planned for Thursday). Midnight Shift Update: Continuing to run ans sending finished product, per note at the PK, to the railshed instead of the 509 drop.

Day shift: Continue batches.

Afternoon shift: Realized late on afternoon shift that we cannot find any more raws.

New Pfaudler / Cleaned for BE-0101: The first 2 batches were made Saturday Afternoon shift and have been taken to the tunnel kilns. Waiting for lab results before we continue on.

Midnight Shift Update: No update as we are not making another batch until results from testing come back from the lab.

Day shift: Hold until lab results received from fired material out of kiln.

Afternoon shift: No change. Waiting on lab results.

#6 DRYER - RC / D-0756: Need to put the screener together and close up the dryer and start up. Found 2 mesh oversize screen instead of 3 mesh (confirmed OK with John Bodmann).

Exhaust to Sly Scrubber

Midnight Shift Update: Personnel working on getting the dryer and calciner buttoned up and the screens in place.

Day shift: Screen in place, should be ready to go.

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Afternoon shift: Screener is NOT together. Need to put it together and close up the dryer and get.

<u>Tower 3 / Cu-0860:</u> Loaded and running. Midnight Shift Update: Loaded and running

Day shift: Continue

Afternoon shift: No change.

Tower 6 / Cu-0860: Loaded and running. Will come down on midnight shift.

Midnight Shift Update: No change.

Day shift: Continue

Afternoon shift: Tower will come down on midnight shift.

Harrop Kiln - Al-3921 T 3/16": Continue running. The automatic pusher at the cool down zone in the Kiln still not working. It appears as if the clutch is disengaging while pushing carts. Work notification written for one of the blowers on the kiln (#5 blower stopped working). Still operable, but maintenance needs to see Tower operator for more information.

Midnight Shift Update: Continuing to run. A work order was written to have the secondary coupler for the drive unit tightened up.

Day shift: Secondary coupler repaired, continue on.

Afternoon shift: Continued on.

North Screener / Cu-0860: Continue on.

Midnight Shift Update: Still running.

Day shift: Continue.

Afternoon shift: Ran a half shift. (manpower)

South Screener /Cu-0860: Advised by engineer to set up south screener for Cu-0860. Midnight Shift Update: No change at this time; waiting for answer to the above question.

Day shift: Start cleaning/break down and change-over to Cu-0860. Afternoon shift: Still needs to be broken down and cleaned out..

#2662 Pill Machine / Al-3917 3/16: Finished. Holding for decision whether to switch to 3915.

#2664 Pill Machine / Al-3917 3/16: Finished. Holding for decision whether to switch

to 3915.

Midnight Shift Update: All pill mix exhausted.

Day shift: Continue cleaning.

Afternoon shift: Continued cleaning.

<u>Tunnel Kiln #2 / Al-3921:</u> Continue feeding. May make a decision to stop by early next week, or finish feeding all of the bags (decision by Monday morning). As of mid-day Friday, 11 full bags and 1 partial to feed.

Midnight Shift Update: Continuing to run.

Day shift: Continue...6 full, 1 part bag to feedas of 7:00 am. No decision yet to shut down

and move screener to #4. Will revisit this on Tuesday morning.

Afternoon shift: Continued on.

<u>Tunnel Kiln #4 / BE-0101:</u> Just unloading until we hear back from the lab. Will also need to "steal" the Sweco screener from #2 kiln...to be determined when this will occur.

Midnight Shift Update: Continuing to load. Open top bag already set up and ready when we start to unload. 1 bag left to feed from batch 2. At 7: 00 am car 1 coming out of the kiln...started on car 7 so it should be coming out in 6 hours.

Day shift: Last cars being filled, first car from Sunday to be unloaded by end of 7-3 shift. Afternoon shift: Ran out of material to feed. Just unloading and waiting for lab results.